Antiepileptic Therapy for Generalized Seizures

First Line Agents (Seizure Type)
- Clonazepam (Myoclonic)
- Ethosuximide (Absence)
- Lamotrigine (PGTCS)
- Levetiracetam (PGTCS/MS)
- Topiramate (PGTCS)
- Valproic Acid (PGTCS/AS/MS)
- Zonisamide

Start First Line Agent

2-3 months

Seizures Controlled

Yes
- Continue Current Therapy

No
- Consult Neurology

Add Adjunctive Agent (per Neurology)

Current Formulary Agents
- Felbamate (Atonic seizure in LGS)
- Lacosamide
- Phenobarbital
- Primidone

New Formulary Agents
- Clobazam (LGS)
- Perampanel (PGTCS)
- Rufinamide (LGS)

PGTCS = Primary Generalized Tonic-Clonic Seizures;
LGS = Lennox-Gastaut Syndrome; JME = Juvenile Myoclonic Epilepsy; MS = Myoclonic Seizures; AS = Absence Seizures

Prepared by: Charles Akos Szabo, MD & Linda D. Leary, MD - August 2015
Edited by: Colleen Barthol, PharmD, BCPS, Nicole Green, PharmD, & Ana Nicho, PharmD - August 2015
Revised by: Leini Zurovec, PharmD, Colleen Barthol, PharmD, BCPS - September 2015
Approved by P&T: October 2015